REMARKS

I.   INTRODUCTION

Claims 6 and 20-22 have been canceled. Claims 1, 23, and 24 have been amended. Thus, claims 1-5, 7-19, 23 and 24 are now pending in the present application. No new matter has been added. In view of the above amendments and the following remarks, it is respectfully submitted that all of the presently pending claims are allowable.

II.   THE OBJECTIONS TO THE DRAWINGS SHOULD BE WITHDRAWN

The Examiner has indicated that Figures 2-3 of the current application should be labeled as prior art. (*See* 5/27/08 Office Action, p. 2). However, it is respectfully submitted that to label Figures 2-3 as prior art would be incorrect. Specifically, the present invention relates to automatic modeling of a process control system whereby elements of a user interface are arranged in a tree structure reflecting the topography of the elements in the process control system. (*See* Specification, p. 2, ll. 18-20). That is, the embodiments illustrated in Figures 2-3 reflect a result of the method of the present invention. Therefore, it is respectfully submitted that Figures 2-3 do not show prior art, and that this objection should be withdrawn.

III.   THE 35 U.S.C. § 112 REJECTIONS SHOULD BE WITHDRAWN

Claims 23 and 24 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicants regard as the invention. (*See* 5/27/08 Office Action, p. 2).

Initially, it is unclear the basis on which the Examiner rejects claims 23 and 24 under 35 U.S.C. § 112, second paragraph. That is, the Examiner does not indicate the reasons for which claims 23 and 24 are indefinite. However, claims 23 and 24 have been amended in an effort to recite definite subject matter and to expedite the processing of the present invention. Thus, it is respectfully submitted that claims 23 and 24 are not

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indefinite and the Examiner should withdraw the 35 U.S.C. § 112, second paragraph, rejection for these claims.

Claims 20 and 21 stand rejected under 35 U.S.C. § 112, second paragraph. The Examiner asserts that the "frame application" recited in claims 20 and 21 are unclear. (*See* 5/27/08 Office Action, p. 3). Claims 20-21 have been cancelled.

IV.   THE 35 U.S.C. § 103(a) REJECTIONS SHOULD BE WITHDRAWN

Claims 1, 2, 4, 5, 8-10, 12-16, 18, 19, and 23 and 24 stand rejected under 35 U.S.C. § 103(a) as unpatentable over U.S. Patent Published Appln. No. 2003/0028269 to Spriggs et al. (hereinafter "Spriggs") in view of U.S. Patent Published Appln. No. 2002/0149628 to Smith et al. (hereinafter "Smith"). (See 5/27/07 Office Action, p. 4).

Claim 1 has been amended to recite, in relevant part, "displaying values measured by the target apparatus in the input window," "wherein the plurality of first attributes of the at least one first input window comprises monitoring data of the first target apparatus," and "wherein the plurality of second attributes of the at least one second input window comprises parameterization data for setting of the second target apparatus." As amended, claim 1 relates to the arrangement of graphical elements as well as set parameterization data and the monitored measurement data to be saved and retrieved and depicted when reloading the process control system. The arrangement of the graphical elements may be stored in a project while the parameterization data and the monitoring data are stored in the operating session.

Spriggs discloses an industrial plant asset management system which is adapted for accessing measurement values of sensors. A tree structure 152 may be created. The measurement values may be depicted, for example, in various windows 166. (*See* Spriggs, p. 10, ¶¶ [0126]-[0127]). Smith discloses in table 6 that particular parameters as window position, size, and position parameters may be saved. However, neither Spriggs nor Smith disclose or suggest the display of parameterization data for setting a sensor nor saving parameterization data which are retrieved when reloading the process control

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system. That is, neither Spriggs nor Smith, either alone or in combination, discloses or suggests the above recitation of claim 1. Accordingly, it is respectfully submitted that claim 1 is allowable and the Examiner should withdraw the 35 U.S.C. § 103(a) rejection of claim 1. Because claims 2, 4-5, 8-10, and 12-13 depend from and, therefore, include all the limitations of claim 1, it is respectfully submitted that these claims are also allowable.

Claim 14 recites "storing, by a handling software, a current arrangement of the tree structure as a project," "storing, by the handling software, a list of all windows and corresponding attributes opened during a current operation as an operating session," "the attributes including at least one of a position and a communication status indicating one of an online status and an offline status of the user interface of the input window," "restoring a state of the elements based on the project and the operating session when loading the process control system," and "displaying values measured by the target apparatus in the input window." Thus, it is respectfully submitted that this claim is also allowable for at least the reasons discussed above and the Examiner should withdraw the 35 U.S.C. § 103(a) rejection for this claim.

Claim 15 recites "a memory storing an arrangement of the tree structure as a project, and a list of all windows and the corresponding attributes opened during operation as an operating session, the operating session stored in the memory being automatically restored during reloading of the process control system on the host PC, each input window displaying values measured by the target apparatus." Thus, it is respectfully submitted that this claim is also allowable for at least the reasons discussed above and the Examiner should withdraw the 35 U.S.C. § 103(a) rejection for this claim. Because claims 16, 18-19, and 23-24 depend from and, therefore, include all the limitations of claim 15, it is respectfully submitted that these claims are also allowable.

Claims 3, 11, and 17 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Spriggs in view of Smith in further view of U.S. Patent No. 7,272,815 to Eldridge et al. (hereinafter "Eldridge"). (See 5/27/07 Office Action, p. 7).

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As discussed above, neither Spriggs nor Smith, either alone or in combination, discloses or suggests "displaying values measured by the target apparatus in the input window," "wherein the plurality of first attributes of the at least one first input window comprises monitoring data of the first target apparatus," and "wherein the plurality of second attributes of the at least one second input window comprises parameterization data for setting of the second target apparatus," as recited in claim 1. Eldridge also does not disclose or suggest this recitation of claim 1. Thus, neither Spriggs, Smith, nor Eldridge, either alone or in combination, discloses or suggests this recitation of claim 1. Because claims 3, 11, and 17 depend from and, therefore, include all the limitations of allowable claims, it is respectfully submitted that these claims are also allowable.

Claim 7 stands rejected under 35 U.S.C. § 103(a) as unpatentable over Spriggs in view of Smith in further view of "A Two-Stage Modeling and Simulation Process for Web-Based Modeling and Simulation" to Kim et al. (hereinafter "Kim"). (See 5/27/07 Office Action, p. 8).

As discussed above, neither Spriggs nor Smith, either alone or in combination, discloses or suggests "displaying values measured by the target apparatus in the input window," "wherein the plurality of first attributes of the at least one first input window comprises monitoring data of the first target apparatus," and "wherein the plurality of second attributes of the at least one second input window comprises parameterization data for setting of the second target apparatus," as recited in claim 1. Kim also does not disclose or suggest this recitation of claim 1. Thus, neither Spriggs, Smith, nor Kim, either alone or in combination, discloses or suggests this recitation of claim 1. Because claim 7 depends from and, therefore, includes all the limitations of allowable claims, it is respectfully submitted that this claim is also allowable.

Claims 20 and 21 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Spriggs in view of Smith in further view of "An Introduction to Developing Applications with SAS/AF Software FRAME Entries" to Timbers. (See 5/27/07 Office Action, p. 9).

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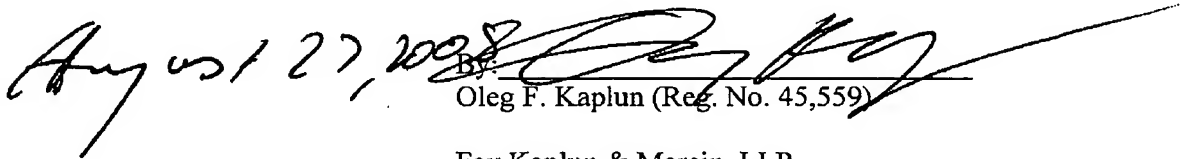As discussed above, claims 20-21 have been cancelled. Thus, it is respectfully submitted that this rejection is moot.

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CONCLUSION

In light of the foregoing, Applicants respectfully submit that all of the now pending claims are in condition for allowance. All issues raised by the Examiner having been addressed, and an early and favorable action on the merits is earnestly solicited.

Respectfully submitted,

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